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A Three-Level Control Architecture For Autonomous Vehicle.. - Miura, Ito, Shirai (1997) (Correct)
 level should be investigated more actively for **realizing** intelligent vehicles that can maneuver safely with a reactive control of a vehicle in a short **time** cycle 2) the tactical level decides proper driving simulator in various traffic scenarios **simulation** results show the feasibility of the www-cv.ccm.eng.osaka-u.ac.jp/members/jun/psfiles/itsc97.ps.gz

PCR-Assist CBR for Delivering Pre-Recorded MPEG-2 Transport ... - Du, Hsieh, Lee, Chang (Correct)
 Note that even though these curves are derived from **real** MPEG-2 traces. The curve and data used here are PCR-assist Dual-Rate CBR (PDCBR) They utilize the **time** stamps inserted by the encoder to regulate the side. In this paper, we study two new CBR **transmission** schemes, called PCR-assist CBR (PCBR) and ftp.cs.umn.edu/dept/users/hsieh/PCR-Assist.ps

Lower Bounds for Linear Satisfiability Problems - Erickson (1997) (Correct)
 some fixed linear equation in r variables, given n **real** numbers, do any r of them satisfy the equation? problem can be solved in $O(n^{r/2})$ **time** when r is odd, or $O(n^{r/2} \log n)$ **time** when r is even. 1987. 14] H. Edelsbrunner and E. P. Mücke. **Simulation** of simplicity: a technique to cope with compgeom.cs.uiuc.edu/~jeffe/pubs/linsat.ps.gz

Example-Based Head Tracking - Niyogi, Freeman (1996) (Correct) (6 citations)
 We show reasonable experimental results for a **real-time** prototype running on an inexpensive workstation. 2 We show reasonable experimental results for a **real-time** prototype running on an inexpensive workstation. 2 freeman@merl.com From: IEEE 2nd Intl. Conf. on **Automatic** Face and Gesture Recognition, Killington, VT, www.merl.com/reports/TR96-34/TR96-34.ps.gz

An Optimal Ray Traversal Scheme for Visualizing Colossal.. - Law, Yagel (1996) (Correct) (1 citation)
 of educational value to anatomical visualization. **Real time** or interactive software rendering of such sometimes stored in a compressed form. At rendering **time**, parts of the volume are requested by the www.cis.ohio-state.edu/volviz/Papers/1996/colossal.ps.gz

Kernel-Level Threads for Dynamic, Hard Real-Time.. - Humphrey, Wallace.. (1995) (Correct) (3 citations)
 Kernel-Level Threads for Dynamic, Hard **Real-Time** Environments Marty Humphrey, Gary Wallace counter.cs.umd.edu/~rich/courses/cmsc818G-s98/papers/spring_kernel.ps

On the Calculation of Time-Varying Stability Radii - Wirth (1998) (Correct)
 which system (1) becomes unstable. Both the case of **real** and complex perturbations were considered. The On the calculation of **time-varying** stability radii Fabian Wirth Institut für **computation** of the **real** stability radius. **Automatica**, 31:879-890, 1995. 27] J. Sreedhar, P. Van www.mathematik.uni-bremen.de/~fabian/work/Archive/TVStabrad.ps.gz

The Complexity of Automated Reasoning - André Vellino (1989) (Correct) (6 citations)
 should be given to it. For any fixed interval of **real** numbers we can find a polynomial function whose emulate human thinking. What was not known at the **time** was that the problem of producing short proofs for the relative complexity of proofs produced by the **automatic** theorem proving procedures of analytic ai.iit.nrc.ca/~andre/Vellino_Thesis.ps.gz

Implementation Of A Parallel Processing.. - Goulard, Mayrand, ... (Correct)
 New Brunswick, E3B 5C8, Canada Abstract **Realization** of an Integrated Remote Monitoring and processing architecture to provide close-to-**real-time** data validation assistance to plant personnel. more sophisticated and complex, the need for **automatic** operation of equipment, both for process www.crm.umontreal.ca/~physnum/WEB_OLD/Physnum/..pub/parallel/rt93.ps.Z

Low-complexity Video Coding for Receiver-driven Layered ... - McCanne, Vetterli, Van ... (1997) (Correct) (49 citations)
 whiteboard conferencing applications. Because these **real-time** media are transmitted at a uniform rate to conferencing applications. Because these **real-time** media are transmitted at a uniform rate to all the solution for scalable multicast video **transmission** in heterogeneous networks. In addition to a www.cs.berkeley.edu/~mccanne/papers/mccanne-jsac97.ps.gz

A Framework For The Optimization Of Discrete Event... - Joshi, Unal, White.. (1996) (Correct)
 arrival, queues, and teller service and idle times, through appropriate probability distributions.
 A Framework For The Optimization Of Discreteevent **Simulation** Models B. D. Joshi R. Unal N. H.
 With the growing use of computer modeling and **simulation**, in all aspects of engineering, the scope of
techreports.larc.nasa.gov/pub/techreports/larc/96/NASA-96-17asem-bdj.ps.Z

Interactive Computational Models of Particle.. - Canfield.. (Correct)
 Models Of Particle Dynamics Using Virtual **Reality** Tom Canfield, Darin Diachin, Lori Freitag,
 and see the results of those changes in **real time**. Unfortunately, the computations involved in a
 in this article is the immersive Cave **Automatic** Virtual Environment (CAVE) developed at the
info.mcs.anl.gov/pub/tech_reports/reports/P609.ps.Z

A Dynamic Network of Hybrid Automata - Göllü, Varaiya (1994) (Correct)
 is a language used for formal specification of **real-time**, in- teractive, distributed systems. SDL
 from these surrounding vehicles. At any given **time** the list of vehicles with which a given vehicle
 Eskafi, Delnaz Khorramabadi, and P. Varaiya, An **Automatic** Highway System Simulator" Transportation
www-path.eecs.berkeley.edu/~gollu/Papers/aisp96.ps

Discrete-Time Priority Queues with Two-State Markov Modulated.. - Khamisy, Sidi (1992) (Correct)
 is denoted by α , where $\alpha \in \mathbb{R}$ and is a **real number** (otherwise if α has a zero of order 2
 Discrete-Time Priority Queues With Two-State Markov Modulated
 to as slots. The slots correspond to the **transmission time** of a packet, and all packets are assumed
www.cse.ucsc.edu/~rom/moshe/PUBS/m_sidi_priority_92.ps.gz

An Analytic Model for ATM Network Performance and its.. - Karimi, Skillicorn (1997) (Correct) (1 citation)
 AAL protocols: ffl AAL 1, which supports **real-time**, constant bit rate, connection-oriented
 g, the permeability of the network, and l, the **time** required for barrier synchronisation. Networks
 model, we model the pipelining method for data **transmission** from the processor to the network. ffl
www.cs.queensu.ca/TechReports/Reports/1997-414.ps

Viewing A Program Transformation System At Work - Paige (1994) (Correct) (14 citations)
 simulates associative access on a sequential RAM in **real-time** [44,11,15]The result is a way to implement
 source lines per second) that is at least five **times** greater than a conventional approach in which C
 development methodology makes use of fully **automatic**, generic program transformations that capture
cs.nyu.edu/cs/faculty/paige/papers/viewing.ps

A High-performance Endsystem Architecture for Real-time CORBA - Douglas Schmidt (1997) (Correct) (43 citations)
 A High-performance Endsystem Architecture for **Real-time** CORBA Douglas C. Schmidt, Aniruddha Gokhale,
www.infosys.tuwien.ac.at/Research/Corba/archive/special/IWOOS-96.ps.gz

Towards a DNA Solution to the Shortest Common Superstring ... - Gloor, Kari, Gaasenbeek, ... (1998) (Correct) (3 citations)
 consequently large instances cannot be solved in **real-time** by electronic computers. In fact, the
 that act on all the DNA molecules at the same **time**. These recombinant bio-operations may be used to
chan.csd.uwo.ca/~lila/short.ps

Access as a Means of Configuring Cooperative Interfaces - Smith, Rodden (Correct)
 techniques and architectures which support the **real time** presentation of these interfaces. The
 techniques and architectures which support the **real time** presentation of these interfaces. The majority of
www.buva.sowi.uni-bamberg.de/ps-Sammlung/literatur/lancaster/CSCW.6.93.ps.Z

RT-IPC: An IPC Extension for Real-Time Mach - Kitayama, Nakajima, Tokuda (1993) (Correct) (10 citations)
 RT-IPC: An IPC Extension for **Real-Time** Mach Takuro Kitayama 1 Tatsuo Nakajima
www.cs.cmu.edu/afs/cs/project/rtmach/public/papers/ipc93.ps

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Hierarchical Modeling and Analysis of Embedded Systems—Alur, Dang, Esposito, (2003) (Correct) (*7 citations*)
This paper describes the modeling language CHARON for modular design of interacting hybrid systems. The paper presents a unified object-oriented language for system modelling and simulation. In ECOOP'98, the 12th European conference on object-oriented programming, it was shown how CHARON can be used to model and simulate a real-time control system (see www.rational.com) that support modeling, simulation, and code generation, and are increasingly being used in industry. See also www.seas.upenn.edu/~papasp/papers/IEEE02.ps.gz

The Use of a Scale Vehicle Tested for Controller Design and ... Brennan, Allevyne (2001) (Correct)
[10] E.J. Heitzman and E.F. Heitzman, Topsy -a modular chassis parameter measurement system, Society and control community is to validate detailed simulation results using a full-sized vehicle. For

www-personal.engin.umich.edu/~hoerns/SAE2001_Lin.pdf

Design and Evaluation Tools for Automated Highway Systems - Deshpande, Varaiya (1995) [Correct] (5 citations)
ans design and evaluation and give a summary of simulation and analysis tool needs, in section 3 we
Design and Evaluation Tools for Automated Highway Systems Akash Deshpande
Design and Evaluation Tools for Automated Highway Systems Akash
www-path.eecs.berkeley.edu/~akash/vehw85.ps

What can Agents do in Industry, and Why? – An Overview of... - Parunak (1998) (Correct) (1 citation)
agents are best suited for applications that are modular, decentralized, changeable, ill-structured, and
areas: coordination of industrial designers, simulation and modeling of complex products and processes,
many other products, including appliances, machine tools, and aircraft. 1.2 Supply Networks Modern
www.crim.org/~vparunak/cia98.pdf

A Fault Tolerance Extension to the Embedded CORBA for the... Jeon, Kim, Hong, Kim (Correct)

V-LW Processor Codeign for Video Processing -Wilberg_Camposano (1997) (Correct) (7 citations)
 ie nearly 3 orders of magnitude smaller. 2 Simulation times: See [1] for a comparison of simulation
 4 the implementation of the design tools. Section 5 summarizes the analysis results: 1.1.
 the application domain. But the designer needs evaluation data which show him/her the quality of the
 borneo.amd.de-wilberg/desktop/naaper/Case DAEM/TeXDoc DinA4.ps.2

Resource-Conscious Customization of CORBA for CAN-based... Kim, Jeon, Hong, Kim... (2000) [Correct]
to have the same port number and helps increase modularity in software design and maintenance. As the
Fcu Fcu Instrum. Door Audio Fcu Fcu Body Fcu Fcu Powertrain Ecu Actuators Controllers/Intelli-Sensors
than to do so with a single high performance microprocessor. Second, a distributed embedded
166 104 276 70 ~Kim/docs/ispc00

A Hypergraph Framework For Optimal Model-Based... - Michèle Papadimitriou (1997) (Correct) (2 citations)

Configuration as Composite Constraint Satisfaction - Sabin, Freuder (1996) (Correct) (11 citations)

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Vehicle Modeling and Simulation in the Duisburg. -- Adamski Bordini Bertram. (Correct)
simulations specifications based on models modular design synchronized design changes hardware
by capacitances, the inertia of the fluid can be modelled as inductivities and the friction as either
Vehicle Modeling and Simulation in the Duisburg Mechatronics Laboratory D.
www.mechatronik.uni-duisburg.de/ward/_jms/cad/Hiller-Paper.pdf

The Diagnostic Architecture of the PEGASUS Project Car... -Pell, Obermaisser, Pavulitsch, (2005). (Corrected version) www.vniia.ru/romanov/papers/performance/2005/r1-01-2005.pdf

Hybrid Tracking Control for Spark-Ignition Engines – Balluchi, Bicchi, Caterini, ... (2000) (Correct)
feedback is demonstrated analytically and by simulations on the full-fledged hybrid model. I
In this section, the overall hybrid model of a powertrain equipped with a 4-cylinder in-line engine is
of the hybrid modeling of the engine, higher performances of the closed-loop system can be achieved. To
www.cad.eecs.berkeley.edu/Research/Research/aves/baper/2000/Balluchi_cdc00.pdf

Information Interface. To The Scheduling Level Of A Hard Real-Time ... - Larson (1997) (Correct)
the utility of using the formal verification tool UPPAAL [2, 3] for verification. The verification
the case study is an application example called PUPPAAL Management, which is an example of a hard
such as the automotive industry, to optimise performance and costs. For these systems to behave
www.doc.ic.ac.uk/~es/lect/Reports/Reports97/02.ps.gz

Dynamic On-Demand Updating of Data in Real-Time Database. - Gustafsson, Hansson (2004) (Correct)
 setup used in our experiments. The following simulations are conducted and evaluated: Consistency data freshness notion. The performance evaluation shows that the proposed updating scheme and project is done in collaboration with Fiat-GM Powertrain, and externally, i.e. between tasks in
www.ita.liu.se/~tislab/publications/2004/gustafsson1_sec.pdf

Hybrid Systems and the Design of Embedded...Balluchi,(1998). (Correct)

A Hybrid Observer for the Driveline Dynamics - Balluchi, Benvenuti, Di... (2001) (Corrected model [1]) supported by a comprehensive set of simulations and experimental data, we concluded that, for
www.eecs.berkeley.edu Keywords: Powertrain control, hybrid systems observers
www.carl.eecs.berkeley.edu Research/Research/theses/paper2001/Balluchi_Eco01.pdf

Agent-Based Modeling vs. Equation-Based Modeling: A Case. - Parunak, Savit, Riolo (1998) (Correct) (2 citations)
 ABM and EBM has consequences for how models are modularized. EBM's represent the system as a set of
 PA, Agility Forum, 1991: 11 S. Omohundro. Modelling Cellular Automata with Partial Differential
 execution consists of evaluating them. 1 Thus "simulation" is the general term that applies to both
www.edim.cim/~marrunak/mabs98.pdf

A Design Example Using CASTLE - Plöger, Wilberg (Correct)

Section 3 describes the compilation and simulation of an application program, section 4 presents code-sign platform which provides a number of design tools for configuring application specific design in [7]-[9], et al.] present the code-sign of a powertrain module, an example of an automotive alcatraz_omd_fig_94272-naui/word/mn5/dfrmn95.ns

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map. has been ... methods such as Euler, Heun and Adams methods have been ...
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A Brooker**Slow synaptic transmission in frog sympathetic ganglia - group of 3 »**PR Adams - 1986 - jeb.biologists.org
... cut example of hetero- synaptic modulation of orthodromic transmission. ... 266 PR ADAMS
AND OTHERS ... reconstituted single channels: Ca + R + CaR + Ca 2 R ...
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... within a certain physical domain, eg ADAMS and DADS ... the same vehicle, a passenger
car with automatic transmission. ... in Section 4.2 was used in the simulation. ...
Cited by 5 - Related Articles - Web Search - BL Direct**Modeling Road Vehicle Dynamics with Modelica - group of 2 »**S Drogies, M Bauer - Proceedings of the Modelica 2000 Workshop, Lund, October, 2000 - modelica.org
... of the complete powertrain with automatic transmission is included ... Under these
conditions car manufacturers and suppliers ... Tools such as ADAMS [ADA98] or SIMPACK ...
Cited by 2 - Related Articles - View as HTML - Web Search**... and simulation of an electro-mechanically actuated pushbelt type continuously variable transmission**T Klaassen, BG Voemen, B Bensen, KGO van de ... - Proceedings of IFAC, 2004 - male.tue.nl
... with a manual transmission or a stepped automatic transmission. ... the advantage that
the CVT transmission ratio and ... this system is implemented in ADAMS software. ...
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... Paul Mandellort, James McCleanen, Jill Adams, Jerome Meisel ... Simulation results have
been used in conjunction ... a fully integrated automatic transmission in the ...
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... of a static torque converter and an automatic transmission model with a transmission
map has been ... methods such as Euler, Heun and Adams methods have been ...
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... Description= "A MSC-ADAMS car model" SimulationFiles ... cmd "StartMethod="start-adams">
<InterfacePoint Name="p1 ... of mechanical systems using transmission lines for ...

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comfort simulation and load ... consisting of engine/transmission unit and ...

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